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Approved For Release 2002/01/14 : CIA-RDP78B04747A001600040003-8

R & D CATALOG FORM

DATE

22 November 1965

1. PROJECT TITLE/CODE NAME Data Block Reader (70mm)		2. SHORT PROJECT DESCRIPTION Data Block Reader for automatically reading and decoding binary information recorded on 70mm photographic roll film.	
3. CONTRACTOR NAME [REDACTED]		4. LOCATION OF CONTRACTOR [REDACTED]	
5. CLASS OF CONTRACTOR Manufacturer		6. TYPE OF CONTRACT CPIF	
7. FUNDS FY 19 \$ FY 1966 \$ [REDACTED] FY 19 \$		8. REQUISITION NO.	9. BUDGET PROJECT NO. NP-IO-6
10. EFFECTIVE CONTRACT DATE (Begin - end) December 1965 - April 1966		11. SECURITY CLASS. AA - Confidential T - Unclassified W - Unclassified	
12. RESPONSIBLE DIRECTORATE/OFFICE/PROJECT OFFICER TELEPHONE EXTENSION DDI/NPIC/P&DS/[REDACTED]			
13. REQUIREMENT/AUTHORITY To read and decode binary coded information recorded on 70mm film.			
14. TYPE OF WORK TO BE DONE Engineering Development			
15. CATEGORIES OF EFFORT MAJOR CATEGORY Information Storage & Retrieval Equipment SUB-CATEGORIES Information Retrieval Electro-optical-mechanical			
16. END ITEM OR SERVICES FROM THIS CONTRACT/IMPROVEMENT OVER CURRENT SYSTEM, EQUIPMENT, ETC. One prototype binary code reader			
17. SUPPORTING OR RELATED CONTRACTS (Agency & Other)/COORDINATION Contract [REDACTED] - Universal Data Block Reader-with [REDACTED] This contract is for development of a Reader to handle the anticipated operational materials and will not read the current materials now in use. This requirement was levied by TID for a replacement to the reader presently in use in TAB.			
18. DESCRIPTION OF INTELLIGENCE REQUIREMENT AND DETAILED TECHNICAL DESCRIPTION OF PROJECT (Continue on additional page if required) The present Binary DBR in use in TAB is subject to interrupting of use due to the need for frequent adjustment and repair. It also provides a low output rate. The proposed reader will locate the data block, read the data and present it to an IBM punch for recording at a rate of approximately 15 inches per second-a 70% to 100% increase over the present system. The proposed reader will be a fast, reliable replacement for the in-house built reader. The main design aims are higher and more accurate read rates and higher output rates. The present serial punch will be replaced by a parallel (cont'd.)			
19. APPROVED BY AND DATE			

OFFICE

DEPUTY DIRECTOR

Declass Review by

NIMA/DOD

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18. Continued

punch card machine (GFE). This will increase the rate of card punching and will assist in preventing the punching of erroneous data. A second major feature is the inclusion of a gating signal to prevent the entry of erroneous data. The read heads will be silicon photodiode arrays adjustable to the film edge so as to locate the best reading positions. A viewing position for the operator will be provided by a 3X enlargement of the block projected to a screen. An adjustable reticule at the screen for matching data block positions will enable the operator to manually punch cards that are not machine readable.

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